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APPLICATION NO.	FI	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/773,550 02/05/2004		02/05/2004	Frank J. Cordiale	DE .002	6795	
41898	7590	04/19/2006		EXAMINER		
LONG & C		ID GLUTTE 30	JONES, JUDSON			
RENO, NV		NE, SUITE 32		ART UNIT	PAPER NUMBER	
,				2834		
				DATE MAILED: 04/19/2000	DATE MAILED: 04/19/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

B	1

		Application No.	Applicant(s)				
ź		10/773,550	CORDIALE ET AL.				
Office Action Summary		Examiner	Art Unit				
	-	Judson H. Jones	2834				
	The MAILING DATE of this communication a						
Period fo	•						
WHIC - Exter after - If NO - Failu Any r	ORTENED STATUTORY PERIOD FOR REP CHEVER IS LONGER, FROM THE MAILING Issions of time may be available under the provisions of 37 CFR 1 SIX (6) MONTHS from the mailing date of this communication. Period for reply is specified above, the maximum statutory perior to reply within the set or extended period for reply will, by stattedly received by the Office later than three months after the mailed patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATION .136(a). In no event, however, may a reply be tind d will apply and will expire SIX (6) MONTHS from the, cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).				
Status	,						
1)[🔀]	Responsive to communication(s) filed on <u>02</u>	Fehruary 2006					
	This action is FINAL . 2b)⊠ This action is non-final.						
′=	Since this application is in condition for allow		esecution as to the merits is				
,—	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Dispositi	on of Claims						
4)🖂	Claim(s) <u>1-5,7,9-12,14 and 16-19</u> is/are pend	ling in the application.	•				
	4a) Of the above claim(s) is/are withdrawn from consideration.						
	Claim(s) <u>1-5,7,9,11,12,14 and 16-19</u> is/are allowed.						
·	Claim(s) 10 is/are rejected.						
7)	•						
8)□	Claim(s) are subject to restriction and	or election requirement.					
Applicati	on Papers						
9) 🔲 🤈	The specification is objected to by the Examir	ner.					
10)🛛	The drawing(s) filed on <u>02 February 2006</u> is/a	are: a)⊠ accepted or b)⊡ objecte	d to by the Examiner.				
	Applicant may not request that any objection to th	e drawing(s) be held in abeyance. See	e 37 CFR 1.85(a).				
	Replacement drawing sheet(s) including the corre		• •				
11)	The oath or declaration is objected to by the I	Examiner. Note the attached Office	Action or form PTO-152.				
Priority u	nder 35 U.S.C. § 119						
a)[Acknowledgment is made of a claim for foreignal All b) Some * c) None of: 1. Certified copies of the priority documents. 2. Certified copies of the priority documents. 3. Copies of the certified copies of the prince application from the International Burestee the attached detailed Office action for a list	nts have been received. Ints have been received in Application ority documents have been received au (PCT Rule 17.2(a)).	on No ed in this National Stage				
Attachmen			·				
	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summary Paper No(s)/Mail Da	(PTO-413)				
3) 🔲 Infom	e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/06 'No(s)/Mail Date		atent Application (PTO-152)				

Application/Control Number: 10/773,550

Art Unit: 2834 -

DETAILED ACTION

Page 2

Claim 19 is objected to because of the following informalities: this claim is dependent on cancelled claim 15. Appropriate correction is required.

Applicant's Arguments

Applicant's arguments with respect to claim 10 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claim 10 is rejected under 35 U.S.C. 103(a) as being unpatentable over Gifford in view of Maslov et al. 6,812,661 B2. Gifford discloses multiple wire coil set solenoids with reciprocating magnetic objects 12a-12d with an energizing control system that variably controls the time duration for the energizing of the individual coil wire sets as described in column 2 lines 23-27 and column 5 lines 36-63 but does not disclose an energy control system that skips wire coil sets at selected times. Maslov et al. teaches in column 3 lines 8 ½ to 40 ½ that motors have different efficiencies at different speeds, based on the number or coils or wire turns in a coil. Since Maslov et al. and Gifford are from the same field of endeavor it would have been obvious at the time the invention was made for one of ordinary skill in the art to have varied the number of coils or turns in a coil in a reciprocating motor in order to increase the efficiency of the device.

Allowable Subject Matter

Claims 1-5, 7-9, 11-14 and 16-19 are allowed.

Art Unit: 2834

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The following is a statement of reasons for the indication of allowable subject matter:

The prior art of record does not disclose or teach a solenoid based propulsion system where the magnetic object may be propelled out of a tube when at least one wire coil set is de-energized in combination with the other features of claims 1 and 14.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Judson H. Jones whose telephone number is 571-272-2025. The examiner can normally be reached on 8-4:30 M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Darren Schuberg can be reached on 571-272-2044. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Judson H. Jones 4/17/2006



REPLACEMENT SHEET

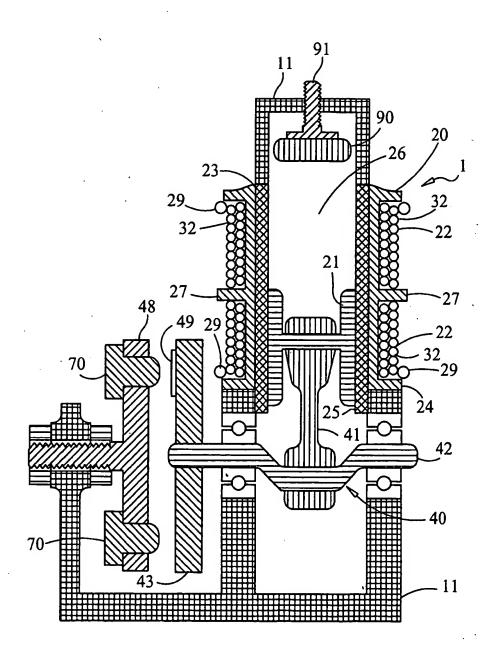


FIG. 1

aggreed for entry